

USING THE 2068/1520 I/F & DRIVER

If you haven't already done so, connect the 2068, I/F board, and 1520 together making sure that the 1520 is plugged into an AC outlet and that the colored ink pens are in their holder. Turn ONLY the 2068 on and LOAD the DRIVER/DEMO software. The program loads in two parts and when finished loading will notify you to turn the 1520 ON and present you with three choices:

<1> RUN DEMO <2> EXAMINE DEMO <3> CLEAR BASIC

<1> RUN DEMO: Upon selecting this option, the plotter will come to life with a 13+ minute demonstration of the many things it is capable of doing. When the DEMO is finished, you will have a handy reference listing of all of the 1520's plot and print commands as well as a printout of the entire character set. The geometric design is borrowed from page 53 of the 1520 User's Manual with the plotter commands changed to the "LPRINT" form recognized by the 2068/1520 driver software. I recommend that you read the manual as it will help you understand the 1520.

<2> EXAMINE DEMO: Just as a picture is worth a thousand words, a program's listing is worth thousands of lines of text describing its operation. This option will allow you to examine the DEMO's BASIC listing. Do NOT try to LLIST or COPY the program to a 2040 printer because it will not work. To LLIST or COPY the program's listing to a 2040, reset your 2068, rewind the tape, type MERGE "", and play the tape. Auto-run is disabled by merging and the machine code program will not load and the LPRINT/LLIST pointer will not be changed. You may then LLIST and COPY with the 2040 as you normally would. If you want to RUN the DEMO after you've examined it, just type RUN 30 and choose menu option <1>.

<3> CLEAR BASIC: Use this option to delete all BASIC lines except line #10. Line 10 contains the commands to load the m.c. driver to the printer-buffer area (23296-23551) and to direct the LPRINT/LLIST pointer to the beginning of the driver code. This line (and the driver code block) must be a part of any program that you write for the 1520 and must be executed before any plotter commands are used. If you use the CLEAR BASIC option and then add your own BASIC program above line 10, be sure that, after saving your BASIC program, you also save the machine code driver with: SAVE "pdr" CODE 23296,255.

I've made every effort to make your introduction to 1520 plotting and printing as enjoyable and comprehensible as possible. Should you still be confused concerning the use of the I/F hardware or software, don't hesitate to write or call me. I also recommend that you purchase my SCREEN-TO-PLOTTER utility program. It will provide you with a high level of user-friendliness with the 1520. I would very much like to hear of applications for the 2068/1520 that you come up with. I have many ideas of my own to work on and will somehow try to inform all purchasers of the 2068/1520 I/F.....if and when they come to fruition.

I waive responsibility connected to any damage done to your 2068 and/or 1520 as a result of kit construction errors. If you purchased an assembled I/F board and cannot get it to work, you may return it for free repair within 30 days of your purchase date.

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